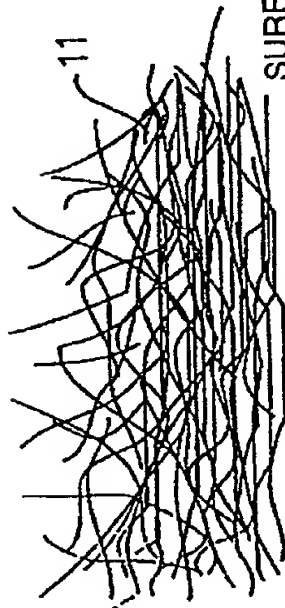


FIG. 1(a)

FIBER SURFACE PORTION



ONLY FLAME SPRAY
(Related Art)



SURFACE HARDENING MATERIAL

+ FLAME SPRAY

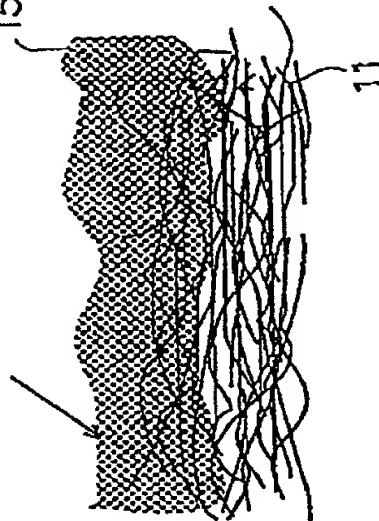


FIG. 1(c)

FIG. 1(b)

FLAME SPRAYED FILM LAYER

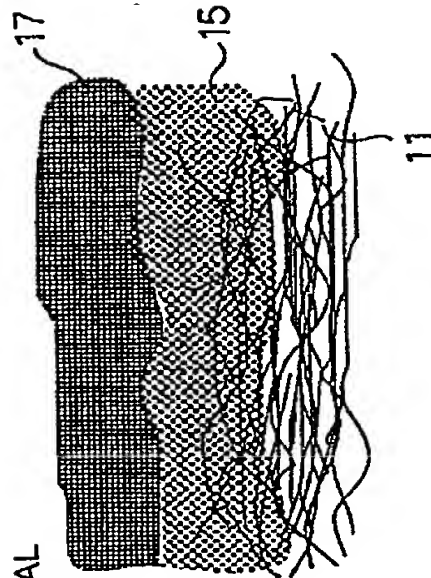
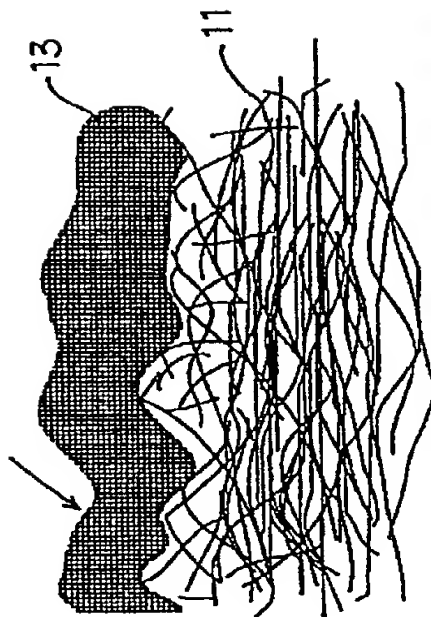


FIG. 1(d)

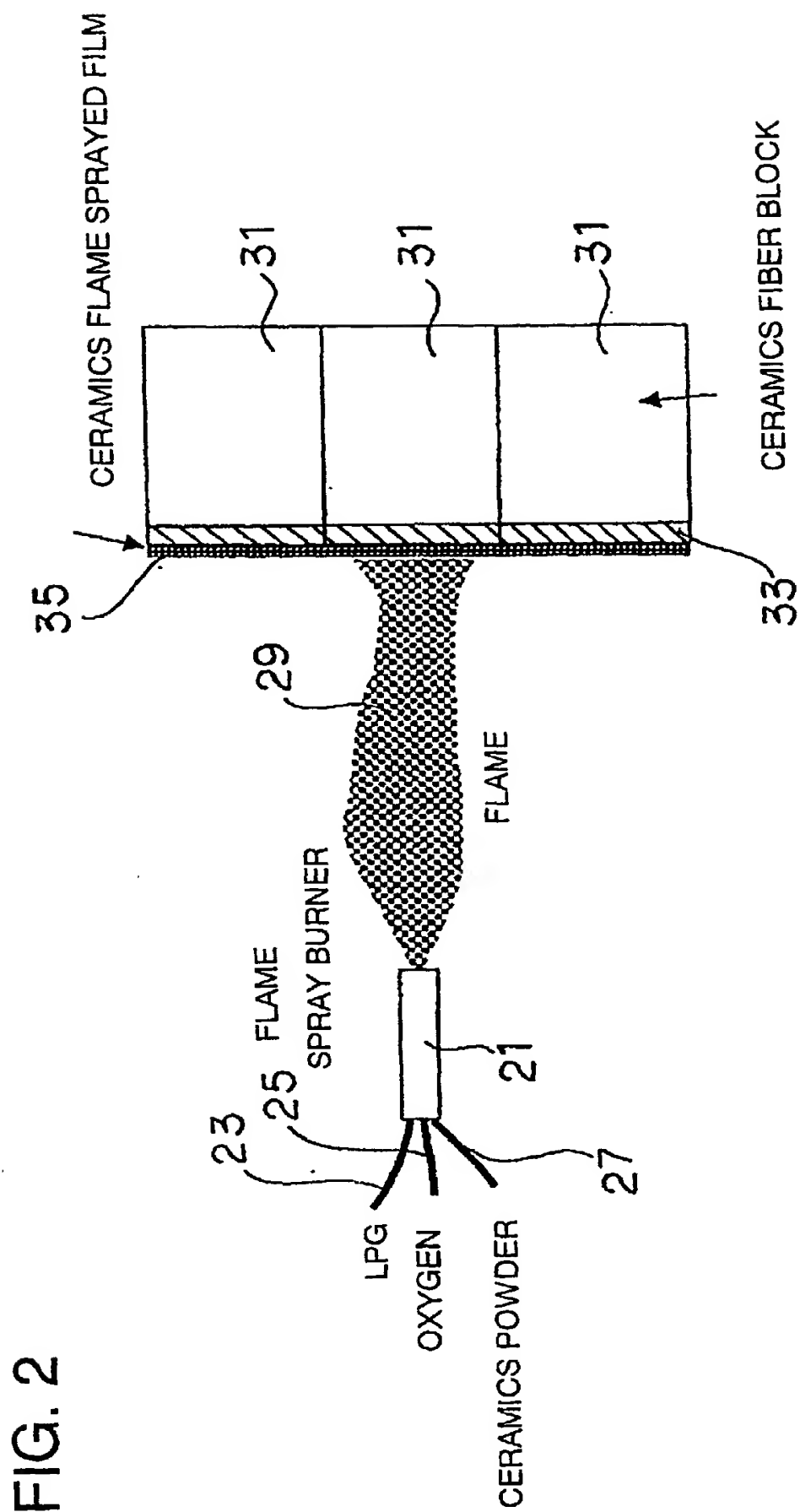
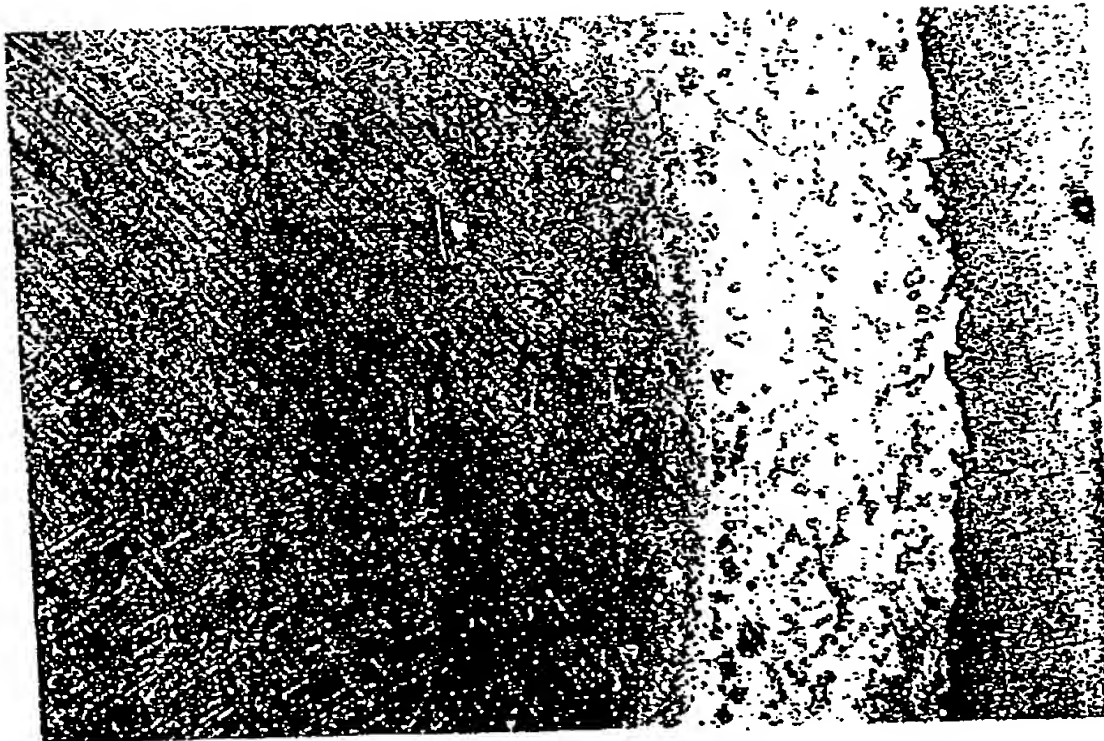
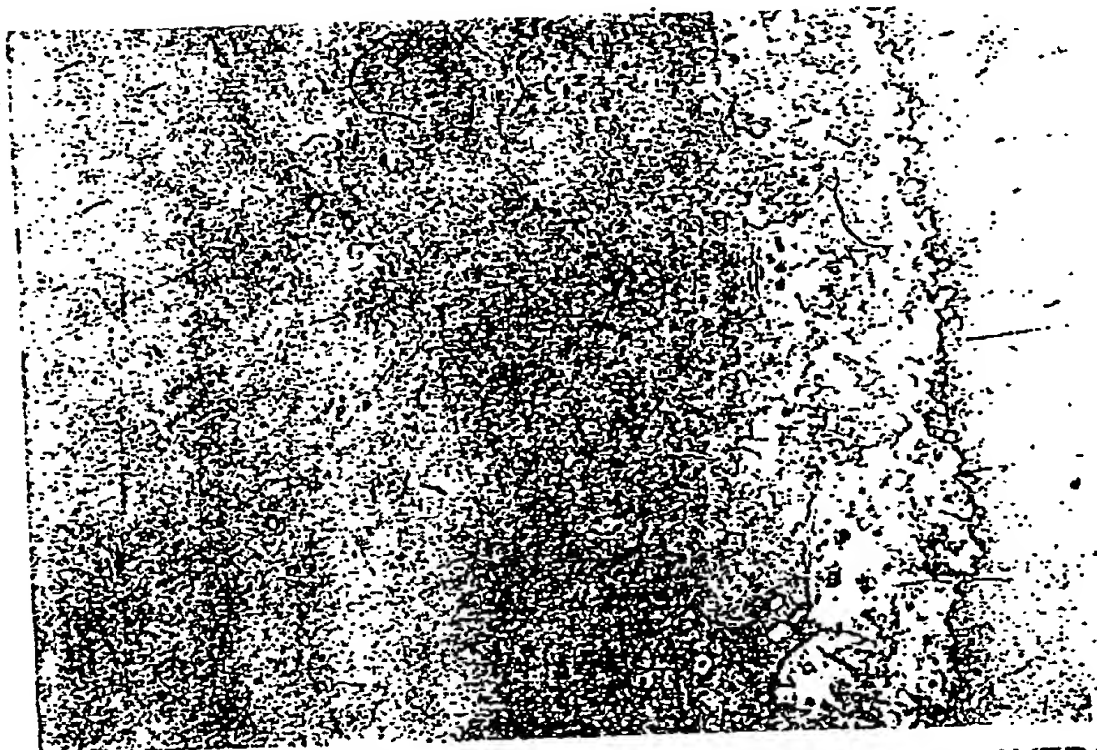


FIG. 3(a)



CERAMICS FIBER LAYER SURFACE HARDENED LAYER
FLAME SPRAYED LAYER(S)

FIG. 3(b)



CERAMICS FIBER LAYER FLAME SPRAYED LAYER(S)

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